

Comparisons of Job Characteristics

Focus Occupation: [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation: [Bus and Truck Mechanics and Diesel Engine Specialists \(49-3031\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation: [Bus and Truck Mechanics and Diesel Engine Specialists \(49-3031\)](#)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	21.1	15.0	<< Extensive education and/or training may be required
Transportation	4.6	9.6	3.9	<< Extensive education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: [Helpers--Installation, Maintenance, and Repair Workers \(49-9098\)](#)

Associated Occupation: [Bus and Truck Mechanics and Diesel Engine Specialists \(49-3031\)](#)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	11.2	9.4	< A higher skill level may be required
Troubleshooting	4.5	11.0	9.3	< A higher skill level may be required
Equipment Maintenance	3.5	10.2	10.7	0 Current skill level may be sufficient
Operation Monitoring	6.6	10.0	10.8	0 Current skill level may be sufficient
Operation and Control	5.4	9.7	10.5	0 Current skill level may be sufficient
Quality Control Analysis	5.9	9.4	10.0	0 Current skill level may be sufficient
Equipment Selection	3.3	7.5	8.7	> Skill level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 84

Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)
Associated Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Control Precision	6.6	12.3	10.8	<	Some improvement in abilities may be required
Manual Dexterity	6.5	11.9	9.7	<	Some improvement in abilities may be required
Multilimb Coordination	6.0	11.9	9.2	<<	Extensive improvement in abilities may be required
Finger Dexterity	7.6	11.8	10.6	<	Some improvement in abilities may be required
Arm-Hand Steadiness	6.8	11.6	12.4	0	Current ability level may be sufficient
Hearing Sensitivity	5.6	11.4	10.1	<	Some improvement in abilities may be required
Extent Flexibility	4.8	10.3	13.4	>>	Current ability level is likely more than sufficient
Speed of Limb Movement	3.2	6.9	6.2	<	Some improvement in abilities may be required
Glare Sensitivity	2.6	6.4	7.5	>	Current ability level is likely sufficient
Sound Localization	2.2	5.9	5.2	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)
Associated Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Assemble, dismantle, or reassemble equipment or machinery	70
Fabricate, assemble, or disassemble manufactured products by hand	11
Inspect machinery or equipment to determine adjustments or repairs needed	42
Lubricate machinery, equipment, or parts	59
Maintain or repair cargo or passenger vehicle	69
Maintain welding machines or equipment	70
Move or fit heavy objects	8
Perform safety inspections in industrial, manufacturing or repair setting	32
Read blueprints	10
Read work order, instructions, formulas, or processing charts	9
Repair or replace electrical wiring, circuits, fixtures, or equipment	49
Repair or replace malfunctioning or worn mechanical components	62
Test mechanical products or equipment	56
Understand service or repair manuals	40

Understand technical operating, service or repair manuals	6
Use hand or power tools	2
Use knowledge of metric system	39
Use pneumatic tools	66

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 83

Focus Occupation: Helpers--Installation, Maintenance, and Repair Workers (49-9098)
Associated Occupation: Bus and Truck Mechanics and Diesel Engine Specialists (49-3031)

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Face and head protection	7
Forming tools	2
Holding and clamping tools	3
Industry specific software	1
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Paint applicators and painting accessories	15
Pneumatic tools	8
Power tools	2
Pumps	9
Safety apparel	4
Soldering and brazing and welding machinery and supplies	6
Vision protection and accessories	3
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.